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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/625,657	07/24/2003	Saburou Wakita	240732US3X	8903
22850 7.	590 08/07/2006		EXAMINER	
C. IRVIN MO	CCLELLAND		TRAN	, LEN
OBLON, SPIV	AK, MCCLELLAND, MA	IER & NEUSTADT, P.C.		
1940 DUKE ST	-	,	ART UNIT	PAPER NUMBER
	Δ VΔ 22314		1725	

DATE MAILED: 08/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Office Action Summary							
		10/625,657	WAKITA ET AL.				
	omec Action Cammary	Examiner	Art Unit				
	The MAN INC DATE of this communication com	Len Tran	1725				
Period fe	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the C	correspondence addre	ess			
WHIC - Exte after - If NC - Faild Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATES on the may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period ware to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing led patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 6(a). In no event, however, may a reply be tind fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this comr D (35 U.S.C. § 133).				
Status							
1)[\inf	Responsive to communication(s) filed on 13 Ju	dv 2006					
<i>'</i> =		action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
4) 🖂	4)⊠ Claim(s) <u>1-4,6-17 and 20</u> is/are pending in the application.						
7	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)⊠	S)⊠ Claim(s) <u>7 and 16</u> is/are allowed.						
6)🖂	☑ Claim(s) <u>1-4, 6, 8-15, 17 and 20</u> is/are rejected.						
7)	Claim(s) is/are objected to.						
8)	Claim(s) are subject to restriction and/or election requirement.						
Applicat	ion Papers						
9) ☐ The specification is objected to by the Examiner.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR/1.121(d).							
11)	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority (under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
2)	e of References Cited (PTO-892) se of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) or No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate	52)			

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DETAILED ACTION

Response to Amendment

1. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-4, 6, 8-15, 17, and 20 are rejected under 35 U.S.C. 102(b) as being anticipated by JP 2000158096.

JP '096 discloses a casting apparatus comprising a die, a plate shaped heater (3), a gas supplying section (5), a lid (6), a lid moving structure (15), wherein the lid moving structure controls flow rate of inert gas. The lid is moved vertically. The molten metal used in the apparatus can be silicon. The heater is parallel to the lid. There are additional heaters below the die (abstract).

Allowable Subject Matter

4. Claims 7 and 16 are allowed.

Response to Arguments

5. Applicant's arguments with respect to claims 1-4, 6, 8-15, 17, and 20 have been considered but are most in view of the new ground(s) of rejection.

Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Len Tran whose telephone number is (571) 272-1184. The examiner can normally be reached on M-F, 8:30 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 1725

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Len Tran
Primary Examiner

Art Unit 1725

August 3, 2006